

PTO/SB/08A (10-01)  
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/752,619
		Filing Date	December 29, 2000
		First Named Inventor	Jesse Salb
		Art Unit	1616
		Examiner Name	Dameron Jones
Sheet 1 of 4	Attorney Docket Number	04646.P003D	

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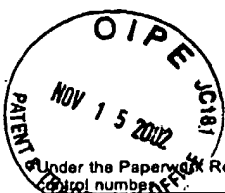
U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Signature]		US- 4,474,747	10 - 02 - 1984	Dimo et al.	
		US- 4,887,604	12 - 19 - 1989	Schefer et al.	
		US- 5,043,152	08 - 27 - 1991	Schaefer et al.	
		US- 5,609,851	03 - 11 - 1997	Bennani et al.	
		US- 5,817,289	10 - 06 - 1998	Klaveness et al.	
		US- 6,071,491	06 - 06 - 2000	Epstein et al.	
		US- 5,650,135	07-22-1997	Contag et al.	
		US- 5,796,862	08-18-1998	Pawlicki et al.	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code 3	-Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.  
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		Attorney Docket Number	04646.P003D
Sheet	2	of	4

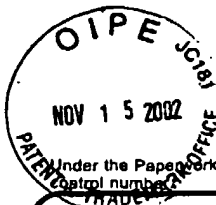
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
DQ		ANDERSON et al., "What does positron emission tomography offer oncology?". <i>Eur. J. Cancer</i> 36:2028-2035 (2000).	
		BENDER et al., "Possible role of FDG-PET in the early prediction of therapy outcome in liver metastases of colorectal cancer", <i>Hybridoma</i> 18: 87-91 (1999).	
		BROCK et al., "Early evaluation of tumour metabolic response using [18F]fluorodeoxyglucose and positron emission tomography: a pilot study following the phase II chemotherapy schedule for temozolomide in recurrent high-grade gliomas". <i>Br. J. Cancer</i> 82:608-615 (2000).	
		CONTI et al., "PET and [18F]-FDG in oncology: a clinical update", <i>Nuc. Med. Biol.</i> 23:717-735 (1996).	
		DEHDASHTI et al., "Positron emission tomographic assessment of "metabolic flare" to predict response of metastatic breast cancer to antiestrogen therapy", <i>Eur. J. Nucl. Med.</i> 26: 51-56 (1999).	
		FINDLAY et al., "Noninvasive monitoring of tumor metabolism using fluorodeoxyglucose and positron emission tomography in colorectal cancer liver metastases: correlation with tumor response to fluorouracil", <i>J. Clin. Oncol.</i> 14: 700-708 (1996).	
		FISCHMAN, "Positron Emission Tomography in the Clinical Evaluation of Metastatic Cancer", <i>J. Clin. Oncol.</i> 14: 691-696 (1996).	
		FISCHMAN, "The role of positron emission tomography in pharmacokinetic analysis", <i>Drug Metab. Rev.</i> 29: 923-956 (1997).	
		FOWLER et al., "PET and drug research and development". <i>J. Nucl. Med.</i> 40:1154-1163 (1999).	
DQ		GERAN et al., "Protocols for screening chemical agents and natural products against animal tumors and other biological systems", <i>Cancer Chemother. Rep.</i> 3: 51-61 (1972).	
		GREEN et al., "Noninvasive methods for quantitating blood time-activity curves from mouse PET images obtained with fluorine-18-fluorodeoxyglucose", <i>J. Nucl. Med.</i> 39: 729-734 (1998).	

Examiner Signature		Date Considered	3/29/03
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Substitute for form 1449B/PTO		Complete if Known	
		Application Number	09/752,619
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	December 29, 2000
		First Named Inventor	Jesse Salb
		Group Art Unit	1616
		Examiner Name	Dameron Jones
		Attorney Docket Number	04646.P003D
Sheet	3	of	4

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
NO		HENDRIKSE et al., "Visualization of multidrug resistance in vivo", <i>Eur. J. Nucl. Med.</i> 26:283-293 (1999).	
		HIETALA, "Ligand-receptor interactions as studied by PET: implications for drug development", <i>Ann. Med.</i> 31: 438-443 (1999).	
		HOH et al., "PET in oncology: will it replace the other modalities?", <i>Semin. Nuc. Med.</i> 27:94-106 (1997).	
		HOEY & SMITH, in Sovak ed., "Handbook of Experimental Pharmacology: Radiocontrast Agents", 73: 22-125, Springer-Verlag, NEW YORK (1984).	
		JERUSALEM et al., "Whole-body positron emission tomography using 18F-fluorodeoxyglucose for posttreatment evaluation in Hodgkin's disease and non-Hodgkin's lymphoma has higher diagnostic and prognostic value than classical computed tomography scan imaging", <i>Blood</i> 94: 429-433 (1999).	
		KNUUTI et al. "PET as a cardiovascular and metabolic research tool", <i>Ann. Med.</i> 31: 450-456 (1999).	
		PRICE & JONES "Can Positron Emission Tomography (PET) be Used to Detect Subclinical Response to Cancer Therapy?", <i>Eur J Cancer</i> 31A: 1924-1927 (1995).	
		ROMER et al., "Positron emission tomography in non-Hodgkin's lymphoma: assessment of chemotherapy with fluorodeoxyglucose", <i>Blood</i> 91: 4464-4471 (1998).	
		SCHELLING et al., "Positron emission tomography using [(18)F]Fluorodeoxyglucose for monitoring primary chemotherapy in breast cancer", <i>J. Clin. Oncol.</i> 18:1689-1695 (2000).	
		SCHULTE et al., "Evaluation of neoadjuvant therapy response of osteogenic sarcoma using FDG PET", <i>J Nucl. Med.</i> 40: 1637-1643 (1999)	
SA		SMITH et al., "Positron emission tomography using [(18)F]-fluorodeoxy-D-glucose to predict the pathologic response of breast cancer to primary chemotherapy", <i>J. Clin. Oncol.</i> 18:1676-1688 (2000).	

Examiner Signature		Date Considered	5/28/03
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	4	of	4
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**Complete if Known**

Application Number	09/752,619
Filing Date	December 29,
First Named Inventor	Jesse Salb
Group Art Unit	1616
Examiner Name	Dameron Jones
Attorney Docket Number	04646, P003D

#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
b9 ↓ P		SOVAK et al. "Contrast media: a journey almost sentimental". <i>Invest Radiol.</i> 29: Suppl 1:S4-14 (1994).	
		VALLBURG et al. "Drug development, radiolabelled drugs and PET", <i>Ann. Med.</i> 31: 432-437 (1999).	
		WAHL et al., "Metabolic monitoring of breast cancer chemohormonotherapy using positron emission tomography: initial evaluation", <i>J. Clin. Oncol.</i> 11: 2101-2111 (1993).	
		WEBER et al., "Reproducibility of metabolic measurements in malignant tumors using FDG PET", <i>J. Nucl. Med.</i> 11:1771-1777 (1999).	
		YOSHIOKA et al., "Influence of chemotherapy on FDG uptake by human cancer xenografts in nude mice", <i>J. Nucl. Med.</i> 38: 714-717 (1997).	
		ZHANG et al., "Bioluminescence for biological sensing in living mammals". <i>Adv. Exp. Med. Biol.</i> 471:775-784 (1999).	
		PCT International Search Report for PCT Appln No. PCT/US01/08485, mailed 10-24-01 (9 pages).	
		PCT International Search Report for PCT Appln No. PCT/US01/08663, mailed 10-24-01 (9 pages).	

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Signature**

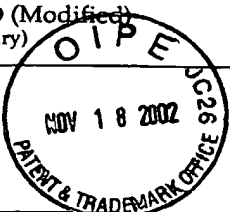
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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)			Attorney Docket No.: 04646.P003D		Application Number: 09/752,619	
<div style="text-align: center;">  </div>			First Named Inventor: Jesse Salb			
			Filing Date: 12/29/2000			
Page <u>1</u> of <u>2</u>						
U.S. PATENT DOCUMENTS						
Exam. Initial <sup>a</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (If known)			
[Signature]		4,139,605	B1	Felder et al.	02-13-1979	
		4,160,015	B1	Wiegert	07-03-1979	
		3,702,866	B1	Salvesen et al.	11-14-1972	
		4,341,756	B1	Sovak et al.	07-27-1982	
		4,352,788	B1	Felder et al.	10-05-1982	
		4,348,377	B1	Felder et al.	09-07-1982	
		4,439,613	B1	Sovak et al.	03-27-1984	
		4,766,110	B1	Ryan et al.	08-23-1988	
		4,021,481	B1	Almen et al.	05-03-1977	
		2,840,602	B1	Larsen	06-24-1958	
	5,525,327	B1	Baker et al.	06-11-1996		
	4,406,878	B1	DeBoer	09-27-1983		

FOREIGN PATENT DOCUMENTS								
Exam. Initial <sup>a</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
[Signature]		WIPO	WO 01/67958	A2	Veritas Pharmaceuticals, Inc.	09-20-2001		

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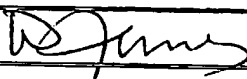
<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document.

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 04646.P003D	Application Number: 09/752,619
Page <u>2</u> of <u>2</u>		First Named Inventor: Jesse Salb	Filing Date: 12/29/2000
<b>OTHER ART - NO PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
		PCT International Search Report for PCT Int'l Appln No. US01/08612, mailed 16 August 2002 (9 pages).	TECH CENTER NOV 22 2002 1600/2900
		XU, YIMING et al. "Synthesis of Radioiodinated 1-Deoxy-Nejirimycin Derivatives: Novel Glucose Analogs," <u>Nuclear Medicine and Biology</u> , Vol. 26, No. 7, p. 833-839 (1999), Document No. XP-001037809.	
		MAGATA, YASUHIRO et al. "Development of a Novel Radioiodinated Glucose Derivative with Interaction to Hexokinase," <u>Journal of Labelled Compounds and Radiopharmaceuticals</u> , Vol. 31, No. 4, p. 317-328 (1992), Document No. XP-000675967.	
		LUTZ, T. et al. " <sup>123</sup> I-Iodobenzoylglucosamines: Glucose Analogues for Heart Imaging," <u>Journal of Labelled Compounds and Radiopharmaceuticals</u> , Vol. 33, No. 4, p. 327-344 (1993), Document No. XP-008002378.	

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RM		BECH, LARS; DIEMER, NILS HENRIK; and GJEDDE, ALBERT. "Metabolic effect of topical application of metrizamide to rat brain cortex." <u>Acta Neurol Scand.</u> , vol. 72, pages 427-431 (June 1985).	
RM		GJEDDE, ALBERT. "The blood-brain barrier is impermeable to metrizamide." <u>Acta Neurol. Scandinav.</u> vol. 66, pages 392-395 (1982).	
RM		SIGEL, PETER and PETTE, DIRK. "Intracellular localization of glycogenolytic and glycolytic enzymes in white and red rabbit skeletal muscle; a gel film method for coupled enzyme reactions in histochemistry." <u>The Journal of Histochemistry and Cytochemistry</u> , vol. 17, no. 4, pages 225-236 (September 1968).	

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Form PTO-1449  
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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

76958.P003

Sheet 1 of 10

SERIAL NO. 09/752,479

09/149,734

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Jesse Salb

FILING DATE

9-8-98

GROUP

1616  
not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AL	3701771	10/31/72	Almen et al.	260	211R	6/26/70
AL	3854049	12/10/74	Mistretta et al.	250	402	12/10/73
AL	3974386	8/10/76	Mistretta et al.	250	402	3/27/75
AL	4243653	1/6/81	Sovak et al.	424	5	4/27/79
AL	4250113	2/10/81	Nordal et al.	564	153	8/24/79
AL	4364921	12/21/82	Speck et al.	424	5	3/6/80

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	Agrawal S. et al., "Pharmacokinetics of oligonucleotides", <i>Ciba Foundation Symposium</i> 209, pp. 60-78 (1997).
AL	Aleshin A.E. et al., "The mechanism of regulation of hexokinase: new insights from the crystal structure of recombinant human brain hexokinase complexed with glucose and glucose-6-phosphate", <i>Structure</i> 6(1):39-50 (1998).
AL	Aller C.B. et al., "Flow cytometric analysis of glucose transport by rat brain cells", <i>Cytometry</i> 27:262-268 (1997).
AL	Alpert N.M. et al., "Improved methods for image registration", <i>Neuroimage</i> 3:10-18 (1996).
AL	Arora K.K. et al., "Functional significance of mitochondrial bound hexokinase in tumor cell metabolism. Evidence for preferential phosphorylation of glucose by intramitochondrially generated ATP", <i>J. Biol. Chem.</i> 263(33):17422-17428 (Nov. 25, 1998).
AL	Barnett J.E.G. et al., "Structural requirements for binding to the sugar-transport system of the human erythrocyte", <i>Biochem. J.</i> 131:211-221 (1973).
AL	Barnett J.E.G. et al., "Evidence for two asymmetric conformational states in the human erythrocyte sugar-transport system", <i>Biochem. J.</i> 145:417-429 (1975).

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Armando Rodriguez

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D Jones

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Sheet 2 of 10

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# INFORMATION DISCLOSURE CITATION

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APPLICANT

Jesse Salb

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AL	4 4 5 5 2 9 2	6/19/84	Bertoni	424	5	4/5/82
AL	4 7 1 6 2 2 5	12/29/87	Ledley et al.	536	122	9/30/85
AL	5 1 4 1 7 3 9	8/25/92	Jung et al.	424	4	4/2/91
AL	5 4 0 8 9 9 6	4/25/95	Salb	128	633	3/25/93
AL	5 4 6 6 7 8 6	11/14/95	Buhr et al.	536	26.26	5/10/94
AL	5 6 1 0 2 8 9	3/11/97	Cook et al.	536	25.34	4/7/94

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	Binder C. et al., "Deregulated simultaneous expression of multiple glucose transporter isoforms in malignant cells and tissues", <i>Anticancer Research</i> , 17:4299-4304 (1997).
AL	Bird R.E. et al., "Analysis of cancers missed at screening mammography", <i>Radiology</i> , 184:613-617 (1992).
AL	Chien K.R. et al., "In vivo esterification of a synthetic 125I-labeled fatty acid into cardiac glycerolipids", <i>Am. J. Physiol.</i> 245:H693-H697 (1983).
AL	Coats E.A. et al., "Exploring the hexokinase glucose binding site through correlation analysis and molecular modeling of glucosamine inhibitors", <i>J. Enz. Inhib.</i> 6:271-282 (1993).
AL	Colville C.A. et al., "Analysis of the structural requirements of sugar binding to the liver, brain and insulin-responsive glucose transporters expressed in oocytes", <i>Biochem. J.</i> 294:753-760 (1993).
AL	Conti P.S. et al., "PET and [18F]-FDG in oncology: a clinical update", <i>Nuc. Med. &amp; Biol.</i> 23:717-735 (1996).
AL	Crooke S. et al. (eds.): "Designer Antisense Oligonucleotides: conjugation chemistry and functionality placement," <i>Antisense Research and Applications</i> , Ch. 17, pp. 303-349, CRC Press, Boca Raton (1993).

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Armando Rodriguez

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Sheet 3 of 10

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <u>76958.P003</u>	SERIAL NO. <u>09/149,734</u>
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT <u>Jesse Salb</u>	
		FILING DATE <u>9-8-98</u>	GROUP <u>1616</u> <u>not yet assigned</u>

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AL	5 7 2 8 5 2 7	3/17/98	Singer et al.	435	6	6/7/95
AR	5 7 2 9 6 2 0	3/17/98	Wang	382	128	5/10/95
AR	5 7 6 3 2 0 8	6/9/98	Bischofberger et al.	435	40.5	2/28/96

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	Dewanjee M.K. et al., "Noninvasive imaging of c-myc oncogene messenger RNA with indium-111-antisense probes in a mammary tumor-bearing mouse model", <i>J. Nuc. Med.</i> 35(6):1054-1063 (1994).
AR	Eisenhut M. et al., "Trapping and metabolism of radiiodinated PHIPA 3-10 in the rat myocardium", <i>J. Nucl. Med.</i> 38(12):1864-1869 (1997).
AR	Ekholm S.E. et al., "Neural tissue uptake and clearance of iohexol following lumbar myelography in rabbits", <i>Acta Radiologica Diagnosis (Stockh)</i> , 26:331-336 (1985).
AR	Elmore J.G. et al., "Ten-year risk of false positive screening mammograms and clinical breast examinations", <i>N. Eng. J. Med.</i> 338(16):1089-1096 (1998).
AL	Friston K.J. et al., "Spatial registration and normalization of images", <i>Human Brain Mapping</i> 2:165-169 (1995).
AR	Ghose A.K. et al., "Atomic physicochemical parameters for three dimensional structure directed quantitative structure-activity relationships III: Modeling hydrophobic interactions", <i>J. Comp. Chem.</i> 9(1):80-90 (1988).

EXAMINER <u>Armando Rodriguez</u>	DATE CONSIDERED <u>8/22/00</u>
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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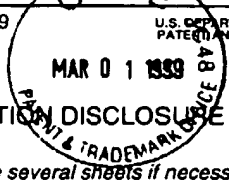
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Sheet 6 of 10

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <u>76958.P003</u>	SERIAL NO. <u>09/148,734</u>
<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION</p> <p>(Use several sheets if necessary)</p> </div>		APPLICANT Jesse Salb	
		FILING DATE 9-8-98	GROUP <u>1616</u> <u>not yet assigned</u>

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	Korman M. et al., "Toxicity of X-ray contrast media in cell cultures", <i>Invest. Radiol.</i> 15:68-71 (1980).
I	Loke S.L. et al., "Characterization of oligonucleotide transport into living cells", <i>Proc. Natl. Acad. Sci. USA</i> 86:3474-3478 (1989).
	Machulla H.J. et al., "Comparative evaluation of fatty acids labeled with C-11, C-14, Br-77, and I-123 for metabolic studies of the myocardium: concise communication", <i>J. Nucl. Med.</i> 19:298-302 (1978).
	Macovski A. et al., "Isolated iodine images using spatial-frequency encoding", <i>Med. Phys.</i> 6(1):53-58 (Jan/Feb 1979).
	Maley F. et al., "Synthesis of N-substituted glucosamines and their effect on hexokinase", <i>J. Biol. Chem.</i> 214:765-773 (1955).
AK	Matteucci M., "Oligonucleotide analogues: an overview", <i>Ciba Foundation Symposium</i> 209, pp. 5-18 (1997).
	Meylan W.M., "Atom/fragment contribution method for estimating octanol-water partition coefficients", <i>J. Pharm. Sci.</i> 84(1):83-92 (1995).

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Sheet 7 of 10

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Form PTO-1449 (REV. 8-83)

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APPLICANT Jesse Salb

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AK		Speck U., "Basic pharmacology of iodinated contrast media", <i>Contrast Media</i> , pp. 1-13. Churchill Livingstone, NY (1988).
		St. Charles R. et al., "Molecular model of human beta-cell glucokinase built by analogy to the crystal structure of yeast hexokinase B", <i>Diabetes</i> 43:784-791 (1994).
		Tavitian B. et al., "In vivo imaging of oligonucleotides with positron emission tomography", <i>Nature Medicine</i> 4(4):467-471 (1998).
		Torikuza K. et al., "A Phase 1 study of beta-methyl-p-(123I)-iodophenyl-pentadecanoic acid (123I-BMIPP)", <i>Jpn. J. Nucl. Med.</i> 28:681-690 (1991).
		Trigatti B.L. et al., "The effect of intracellular pH on long-chain fatty acid uptake in 3T3-L1 adipocytes: evidence that uptake involves the passive diffusion of protonated long-chain fatty acids across the plasma membrane", <i>Biochem. J.</i> 313:487-494 (1996).
AK		van Dijk J.A. et al., "The current detectability of breast cancer in a mammographic screening program. A review of the previous mammograms of interval and screen-detected cancers", <i>Cancer</i> 72(6):1933-1938 (Sept 15, 1993).

EXAMINER Armando Rodriguez DATE CONSIDERED 8/22/00

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Sheet 1 of 1

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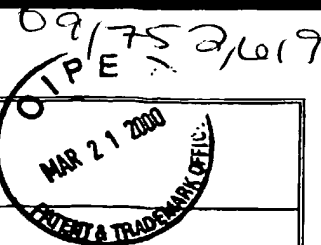
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Form PTO-1449 (Modified)		Applicant's Check No.:		Serial No.:			
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List of Patents and Publications Statement (Use several sheets if necessary)				Applicant: Jesse Salb Filing Date: September 8, 1998			
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	AL						
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)							
AK	AR	Bech L. et al., "Metabolic effect of topical application of metrizamide to rat brain cortex," Acta Neurol. Scand. Vol. 72 pp. 427-431 (1985).					
AK	AS	Guidolet J. et al., "Cardiovascular radiology. Subcellular localization of uro-angiographic contrast by 125I-labeled media," Invest. Radiol. Vol. 15 pp. S215-S219 (Nov-Dec. 1980).					
AK	AT	Nordby A. et al., "Intracellular penetration and accumulation of radiographic contrast media in the rat kidney" (and discussion), Scanning Microsc. 4:3 pp. 651-666 (1990).					
Examiner <i>Armando Rodriguez</i>				Date Considered <i>5/22/00</i>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							


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Form PTO-1449 (Modified)		Atty Docket No.: 076958.P003 D		Serial N .: 09/149,734			
List of Patents and Publications Statement (Use several sheets if necessary)				Applicant: Jesse Salb.			
				Filing Date: September 8, 1998			
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)							
AL	AP	Nordby A. et al., "Incorporation of contrast media in cultured cells," Invest. Radiol. Vol. 24 pp.703-710 (Sept. 1989).					
AL	AQ	Nordby A. et al., "Effects on the ATP content of cultured cells after radiographic contrast media exposure. Evidence for accumulation of contrast media in cultured cells," Acta Radiol. Vol. 30 pp. 541-547 (1989).					
AL	AR	Nordby A. et al., "Short-term effects of radiographic contrast media on monolayer cell cultures and hepatocytes," Invest. Radiol. Vol. 22 pp. 603-607 (July 1987).					
Examiner Aronaldo Rodriguez				Date Considered 8/22/00			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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<i>AL</i>	AR	Nordby A. et al., "Effects of radiographic contrast media on monolayer cell cultures," Invest. Radiol. Vol. 21 pp. 234-239 (March 1986).					
<i>AR</i>	AS	Weichert J.P. et al., "Polyiodinated triglyceride analogs as potential computed tomography imaging agents for the liver," J. Med. Chem. Vol. 38 No. 4 pp. 636-646 (1995).					
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Examiner <i>Armando Rodriguez</i>			Date Considered <i>8/22/00</i>				
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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<b>Form PTO-1449</b> (Modified)		<b>Docket No.:</b> 04646.P003 <b>D</b>		<b>Serial N.:</b> 0449,734			
<b>List of Patents and Publications Statement</b> (Use several sheets if necessary)				<b>Applicant:</b> Jesse Salb			
				<b>Filing Date:</b> September 8, 1998			
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<b>Examiner Initials</b>		<b>Document No.</b>		<b>Class</b>	<b>Sub-Class</b>	<b>Filing date if appropriate</b>	
<i>AL</i>	AA	4,887,604	Shefer et al.	128	654	05-16-1988	
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<i>AL</i>	AQ	EP 0 270 340	06-08-1988	Europe			
<i>AL</i>	AR	WO 98/57689	12-23-1998	WIPO			
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<i>AL</i>	AV	PCT International Search Report for PCT Int'l Appln No. PCT/US99/20298 mailed April 25, 2000 (7 pages).					
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<b>Examiner</b> <i>Armando Rodriguez</i>		<b>Date Considered</b> <i>8/22/00</i>					
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